

**WETLAND DETERMINATION DATA FORM - Alaska Region**

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Denali Borough Sampling Date: 06-Aug-12  
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12\_T16\_04  
 Investigator(s): SLI, KMK Landform (hillside, terrace, hummocks etc.): Mountainslope  
 Local relief (concave, convex, none): flat Slope: % / 34.9 ° Elevation: 109  
 Subregion: Interior Alaska Mountains Lat.: 63.4288581947 Long.: -148.594755211 Datum: NAD83  
 Soil Map Unit Name: \_\_\_\_\_ NWI classification: Upland

Are climatic/hydrologic conditions on the site typical for this time of year? Yes  No  (If no, explain in Remarks.)  
 Are Vegetation , Soil , or Hydrology  significantly disturbed? Are "Normal Circumstances" present? Yes  No   
 Are Vegetation , Soil , or Hydrology  naturally problematic? (If needed, explain any answers in Remarks.)

**SUMMARY OF FINDINGS** - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Hydric Soil Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	<b>Is the Sampled Area within a Wetland?</b> Yes <input type="radio"/> No <input checked="" type="radio"/>
Remarks: _____	

**VEGETATION** -Use scientific names of plants. List all species in the plot.

	Absolute % Cover	Dominant Species?	Indicator Status	
<b>Tree Stratum</b>				
1. _____	0	<input type="checkbox"/>	_____	<b>Dominance Test worksheet:</b> Number of Dominant Species That are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of dominant Species That Are OBL, FACW, or FAC: <u>33.3%</u> (A/B)
2. _____	0	<input type="checkbox"/>	_____	
3. _____	0	<input type="checkbox"/>	_____	
4. _____	0	<input type="checkbox"/>	_____	
5. _____	0	<input type="checkbox"/>	_____	
<b>Total Cover:</b>		0		<b>Prevalence Index worksheet:</b> Total % Cover of: Multiply by: OBL Species <u>0</u> x 1 = <u>0</u> FACW Species <u>6</u> x 2 = <u>12</u> FAC Species <u>31</u> x 3 = <u>93</u> FACU Species <u>61</u> x 4 = <u>244</u> UPL Species <u>2</u> x 5 = <u>10</u> Column Totals: <u>100</u> (A) <u>359</u> (B) Prevalence Index = B/A = <u>3.590</u>
<b>Sapling/Shrub Stratum</b>		50% of Total Cover: <u>0</u>	20% of Total Cover: <u>0</u>	
1. <u>Vaccinium uliginosum</u>	15	<input type="checkbox"/>	FAC	
2. <u>Vaccinium vitis-idaea</u>	5	<input type="checkbox"/>	FAC	
3. <u>Arctous alpinus</u>	50	<input checked="" type="checkbox"/>	FACU	
4. <u>Empetrum nigrum</u>	3	<input type="checkbox"/>	FAC	
5. <u>Salix arctica</u>	3	<input type="checkbox"/>	FACU	
6. <u>Salix polaris</u>	3	<input type="checkbox"/>	FACW	
7. <u>Dryas ajanensis</u>	2	<input type="checkbox"/>	UPL	
8. <u>Rhododendron tomentosum</u>	3	<input type="checkbox"/>	FACW	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
<b>Total Cover:</b>		84		
<b>Herb Stratum</b>		50% of Total Cover: <u>42</u>	20% of Total Cover: <u>16.8</u>	<b>Hydrophytic Vegetation Indicators:</b> <input type="checkbox"/> Dominance Test is > 50% <input type="checkbox"/> Prevalence Index is ≤ 3.0 <input type="checkbox"/> Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
1. <u>Anthoxanthum monticola ssp. alpinum</u>	5	<input checked="" type="checkbox"/>	UPL	
2. <u>Festuca altaica</u>	3	<input type="checkbox"/>	FAC	
3. <u>Arnica latifolia</u>	5	<input checked="" type="checkbox"/>	FAC	
4. <u>Anemone narcissiflora</u>	2	<input type="checkbox"/>	FACU	
5. <u>Geranium erianthum</u>	1	<input type="checkbox"/>	FACU	
6. _____	0	<input type="checkbox"/>	_____	
7. _____	0	<input type="checkbox"/>	_____	
8. _____	0	<input type="checkbox"/>	_____	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
<b>Total Cover:</b>		16		
		50% of Total Cover: <u>8</u>	20% of Total Cover: <u>3.2</u>	

Remarks: arnlal and gereri gone to seed, unsure of species. Trace camlas. Trace luzula sp. Dwarf salix polaris - unsure of id, looks similar to s. ovalifolia, but we're outside of the range.

